



THE DESIGN, DEVELOPMENT AND EVALUATION OF RESAM
CARVING KIT

NOREN BINTI MD ALI

2010228578

FACULTY OF EDUCATION
UNIVERSITI TEKNOLOGI MARA
SHAH ALAM, SELANGOR

2014

ACKNOWLEDGEMENT

Praise to Allah S.W.T from whom I seek help and guidance in doing this thesis. Also praise to our beloved Prophet Muhammad S.A.W.

I wish to express my heartfelt gratitude to everyone who has willingly contributed to my studies until this final stage. My heartfelt and grateful acknowledgement and appreciation goes to my Academic Exercise supervisor and lecturer. I thank her for her contribution, constructive ideas, guidance, encouragement and assistance in the preparation and completion of this research. This research would not have been possible without the help of many people. I would also like to express my gratitude to all my classmates in ED2228A group that helped me in gathering information for my research. My endless gratitude goes to my beloved mother who prays for my success in life and studies. Last but not least, thanks to my wonderful friends who have helped me by sharing with me information, and for their guidance and support.

Thank you.

Noren Binti Md Ali

ABSTRACT

Very often, art teachers find it difficult to obtain relevant carving tools for their students. These tools are usually costly and difficult to obtain. Therefore, to help art teachers overcome the problem of getting the relevant carving tools, this RESAM Carving Kit was designed to provide an alternative tool for teaching carving as part of Visual Art Education syllabus. These carving tools are made from the twigs of *Resam* tree (*Dicranopteris linearis*). They are hard and durable which makes it easy to carry, cost effective and can be sharpened when blunt. This tree can also be found easily by the roadsides of the highway. The emphasis of the carving syllabus at the secondary school is more on the techniques and processes. Therefore, this RESAM Carving Kit can provide a good alternative for students to learn the carving techniques. Students and teachers can also make the carving tools themselves. These 10 pieces of RESAM Carving Kit are labelled individually with numbers for easy identification. These numbers signify the various shapes of each carving tool and the carving effect that it can produce. The carving points of each RESAM Carving Kit are shaped very similar to the metal carving tools used for wood carving. Although this was inspired by the manuscript pen, the researcher finds that it is a good invention and innovation in education as it provides good quality tool for carving. It is very easy to obtain and very practical. A study was done among art teachers and students in one of the schools in Shah Alam and the results showed that the students and teachers found the RESAM Carving Kit to be very helpful in the process of teaching and learning of carving.

ABSTRAK

Selalunya, guru seni mendapati adalah sukar untuk mendapat alat ukiran yang relevan untuk pelajar-pelajar mereka. Alat ini biasanya mahal dan sukar untuk didapati. Oleh itu, untuk membantu guru-guru seni mengatasi masalah mendapatkan alat ukiran yang berkaitan, satu Set Ukiran RESAM telah direka sebagai satu alat alternatif untuk pembelajaran topik ukiran yang merupakan sebahagian daripada sukatan pelajaran Pendidikan Seni Visual. Alat ukiran ini telah direka dengan menggunakan batang daripada pokok resam yang juga dikenali dengan nama saintifiknya *Dicroptheris Linearis*. Batang tumbuhan ini keras dan tahan lama di mana ianya mudah dibawa, kos efektif dan boleh diasah apabila tumpul. Pokok ini juga boleh didapati dengan mudah di tepi lebuhraya. Penekanan sukatan pelajaran ukiran di sekolah menengah rendah adalah lebih kepada teknik dan proses penghasilan. Oleh itu, Set Ukiran RESAM ini boleh dijadikan alat alternatif yang baik kepada pelajar untuk belajar teknik-teknik ukiran. Pelajar dan guru-guru juga boleh membuat alat ukiran itu sendiri. Set Ukiran RESAM mengandungi 10 batang kayu resam yang telah dilabel secara individu dengan nombor untuk mudah dikenali. Nombor-nombor ini menandakan pelbagai bentuk bagi setiap alat ukiran dan kesan ukiran yang akan dihasilkan. Mata ukiran setiap Set Ukiran RESAM dibentuk hampir sama dengan alat-alat ukiran logam yang digunakan untuk ukiran kayu. Satu kajian telah dilakukan dalam kalangan guru seni dan pelajar di salah sebuah sekolah di Shah Alam dan keputusan menunjukkan bahawa para pelajar dan guru mendapati Set Ukiran RESAM ini sangat membantu dalam proses pengajaran dan pembelajaran ukiran.

CHAPTER 1

INTRODUCTION

1.1 Introduction

According to Oxford Dictionary and Thesaurus, 3rd edition (2009), *Design* is a plan or drawing produced before something is made. They are created with the talent and ability to create something useful and valuable. Indirectly, to produce the arts product, the talent, ability and a strong appreciation and understanding is very important. These talent and ability are closely interrelated to produce product that has a high aesthetic value as mentioned in the Integrated Curriculum for Secondary Schools (Ministry of Education, 2003).

Art and Craft in Visual Art Education (VAE) includes traditional wood carving. The syllabus on wood carving is spread from Form 1 until Form 5. At the lower secondary level, students are exposed to the basic knowledge on wood carving like the history, types of wood carving, wood carving motifs, tools, materials and processes. Traditional wood carving requires extensive tools like the carving knives with different edges and also wood blocks. Students are required to be able to carve the traditional motives on the wood blocks. As learning environment changes, so does teaching methods. VAE emphasizes on the concept of New Dimension and teachers are challenged to develop new ideas for the teaching and learning purposes. The design of RESAM Carving Tool showed that teachers can be creative and find the alternative method to enhance their teaching and learning in the classroom.